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L12: Entry 1 of 1

File: DWPI

Nov 30, 1987

DERWENT-ACC-NO: 1987-357537

DERWENT-WEEK: 198751

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TITLE: Prepn. of penicillin(s) G and V - by aerobic fermentation of penicillium chrysogenum stock

INVENTOR: HOGYE, I; NAGY, J ; POLYA, K ; SERES, P ; SZTARAY, G

PATENT-ASSIGNEE:

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CODE

BIOG

PRIORITY-DATA: 1985HU-0005025 (December 29, 1985)

PATENT-FAMILY:

PUB-NO

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HU 43646 T

November 30, 1987

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APPLICATION-DATA:

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APPL-DATE

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DESCRIPTOR

HU 43646T

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1985HU-0005025

INT-CL (IPC): C12P 37/02

ABSTRACTED-PUB-NO: HU 43646T

BASIC-ABSTRACT:

Penicillins G and V are prepd. by aerobic fermentation of Penicillium chrysogenum stock at 24-25 deg.C with aeration of 0.7-1.3 volume per minute per 1 vol. of fermentation liquor. Phenylactic acid is used for Penicillin G and phenoxyacetic acid for Penicillin V at a min. concn. of 0.05 vol.% each. A pH of 6.2-7 is set by dosing ammonium sulphate, ammonium hydroxide and potassium hydroxide. A nitrogen level of 20 mg/100 ml. min. is maintained. Moist cellular mass is kept at 53% max. by dosing sunflower oil, saccharose soln. and water. Following fermentation period of 90 hours, 5-10 vol.% of the fermentation liquor is removed every 10-20 hours during a total process time of 160-240 hours.

TITLE-TERMS: PREPARATION PENICILLIN AEROBIC FERMENTATION PENICILLIUM CHRYSOGENUM STOCK

DERWENT-CLASS: B02 D16

CPI-CODES: B02-P; D05-C02;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1987-152961

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI	l21 and 7-ADCA	35	<a href="#">L23</a>
USPT,PGPB,JPAB,EPAB,DWPI	l21 and ammonium	264	<a href="#">L22</a>
USPT,PGPB,JPAB,EPAB,DWPI	penicillium chrysogenum	593	<a href="#">L21</a>
USPT,PGPB,JPAB,EPAB,DWPI	l18 and penicillin V	5	<a href="#">L20</a>
USPT,PGPB,JPAB,EPAB,DWPI	l18 and pencillin V	0	<a href="#">L19</a>
USPT,PGPB,JPAB,EPAB,DWPI	(Pencillium chrysogenum)	26	<a href="#">L18</a>
USPT,PGPB,JPAB,EPAB,DWPI	Pencillium chrysogenum same (ammonium)	0	<a href="#">L17</a>
USPT,PGPB,JPAB,EPAB,DWPI	Pencillium chrysogenum same (ammonium) same (ferment\$)	0	<a href="#">L16</a>
	Pencillium chrysogenum same (ammonium) same (ferment\$)	0	<a href="#">L15</a>
USPT,PGPB,JPAB,EPAB,DWPI	Pencillium chrysogenum same (ammonium) same (ferment\$) and (pencillin V)	0	<a href="#">L14</a>
USPT,PGPB,JPAB,EPAB,DWPI	Pencillium chrysogenum same (ammonium) same (ferment\$) and (pencillin V)	0	<a href="#">L13</a>
DWPI	1987-357537	1	<a href="#">L12</a>
USPT,PGPB,JPAB,EPAB,DWPI	l10 and beta\$	9	<a href="#">L11</a>
USPT,PGPB,JPAB,EPAB,DWPI	l3 and zinc	16	<a href="#">L10</a>
USPT,PGPB,JPAB,EPAB,DWPI	l3 and zinc	16	<a href="#">L9</a>
USPT,PGPB,JPAB,EPAB,DWPI	l1 and bacillus	3	<a href="#">L8</a>
USPT,PGPB,JPAB,EPAB,DWPI	l1 bacillus	0	<a href="#">L7</a>
USPT,PGPB,JPAB,EPAB,DWPI	coccidios\$	2500	<a href="#">L6</a>
USPT,PGPB,JPAB,EPAB,DWPI	l4 and (oil-in-water)	0	<a href="#">L5</a>
USPT,PGPB,JPAB,EPAB,DWPI	l3 same (hydroxy acid or glycolic acid or lactic acid)	3	<a href="#">L4</a>
USPT,PGPB,JPAB,EPAB,DWPI	(echinacea purpurea)	87	<a href="#">L3</a>
USPT	(echinacea purpurea)	37	<a href="#">L2</a>
USPT	(echinacea)	134	<a href="#">L1</a>